

KEESLER MEDICAL CENTER

GRADUATE DENTAL EDUCATION

AEGD-1

The selection process for this program must be in compliance with United States Department of Defense non-discrimination policies. All candidates are judged according to the merits of their own application package.

The program in advanced general dentistry is accredited by the Commission on Dental Accreditation [and has been granted the accreditation status of "approval"]. The commission is a specialized accrediting body recognized by the United States Department of Education, Council on Post Secondary Accreditation and the United States Department of Education. The Commission on Dental Accreditation can be contacted at 1-800-621-8099, extension 4653 or at 211 E. Chicago Avenue, Chicago, IL 60611.

The Advanced Education in General Dentistry (AEGD-1) Residency is a postgraduate educational program offering the recent dental graduate advanced professional education beyond the undergraduate level.

This 52-week program conforms to the standards set by the Commission on Dental Accreditation of the American Dental Association.

The USAF currently offers the AEGD-1 residency at the following 13 locations: Bolling AFB, D.C.; Andrews AFB, D.C.; Eglin AFB, Fla.; Keesler AFB, Miss.; Langley AFB, Va.; Nellis AFB, Nev.; Offutt AFB, Neb.; Scott AFB, Ill.; Sheppard AFB, Texas; Travis AFB, Calif.; US Air Force Academy, Colo.; and Wright-Patterson AFB, Ohio. Additional programs will start at Andrews AFB, Md. and Elmendorf AFB, Alaska.

The objective of the program is to produce competent, well-rounded Air Force General Dental Officers who can effectively manage the comprehensive oral health needs of the Air Force community and eligible beneficiaries. Didactic and clinical training will be provided as each resident gains experience in endodontics, oral surgery, orthodontics, periodontics, fixed and removable prosthodontics, treatment planning, operative dentistry and pediatric dentistry. In addition to these disciplines, forensic dentistry, infection control, preventive dentistry, special needs dentistry, Advanced Cardiac Life Support, oral pathology, radiology, IV Sedation/pain/anxiety control, anesthesia/OR, physical diagnosis and medical risk assessment will be emphasized. Further, an exposure with clinical cases in implant dentistry, cosmetic dentistry and CAD/CAM restorations is offered.

A minimum of three, three-week rotations through oral surgery will challenge the resident's skills in the management of patients under IV Conscious Sedation and third molar surgery. Keesler's three dental residencies (AEGD-1, GPR and endodontics) are fully staffed by specialists in their respective fields. Most

specialty departments are represented by two specialists to enhance the residents' one-on-one clinical experiences. In addition, Keesler's staff includes a fellowship-trained hospital dentist, dental materials scientist and oral pathologist. In 2010, Keesler was approved to start a one-year postgraduate advanced clinical practice program in dental implantology. This is the first of its kind in the Air Force.

Keesler is one of the few AF medical centers with an active Clinical Research Laboratory equipped with state-of-the-art dental materials testing devices and equipment including a new universal testing machine and scanning electron microscope. Opportunities for research are available and encouraged.

Recently, a sharing agreement with the Biloxi Veteran's Administration was signed which will allow the resident additional experiences with medically-compromised patients.



OVERALL GOALS AND OBJECTIVES

Revised May 2009

I. Act as a primary care provider for eligible beneficiaries by increasing competence, confidence and efficiency in the various clinical disciplines of general dentistry. This includes: providing emergency and multidisciplinary comprehensive care; providing patient focused care that is coordinated by the general practitioner; directing health promotion and disease prevention activities, and using advanced dental treatment modalities.

II. Demonstrate the ability to diagnose and plan multidisciplinary oral health care for a variety of patients including patients with special needs.

III. Manage the delivery of oral health care by applying concepts of patient and practice management and quality improvement that is responsive to a dynamic health care environment.

IV. Enhance the residents' ability in medical risk assessment and function and communicate within multiple disciplines.

V. Enhance the confidence and ability of the resident in professional communication skills and apply scientific principles to learning and oral health care. This includes using critical thinking, outcomes-based clinical decision-making and technology-based informational retrieval systems.

VI. Prepare the resident for a career in the dental profession and the United States Air Force. Instill a need for professional ethics, lifelong learning, patient-centered care, the acceptance of cultural diversity in professional practice, and engage in community service.

COMPETENCY AND PROFICIENCY STATEMENTS

<p style="text-align: center;">Competency and Proficiency Statements 81st Dental Squadron Advanced Education in General Dentistry Residency (revised May 2007)</p>
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Definitions:

P (Proficient) – resident is able to do this activity with repeated quality and efficient use of time.

C (Competent) – resident is able to do this activity independently demonstrating adequate knowledge, skill and judgment.

E (Exposed) – resident participated in, assisted with, or watched this activity.

<h3><u>Comprehensive Care/Multidisciplinary Treatment Planning</u></h3>

1. Function as the comprehensive oral health care provider for a variety of patients, including patients with special needs. (P)
2. Obtain and interpret the patient's chief complaint and significant history. (P)
3. Develop a problem list to arrive at a diagnosis, and develop risk assessment for patients with multidisciplinary needs. This is assessed both clinically and through didactic treatment planning sessions (P)
4. Make referrals to, obtain consultations from, and interpret clinical and other diagnostic data from professional colleagues for the treatment of dental and medical problems presented by dental patients. (C)
5. Integrate multiple disciplines into individualized, comprehensive, and sequenced treatment plans for patients with complex needs. (C)
6. Maintain a patient record system that facilitates the retrieval and analysis of the process and outcomes of patient treatment. (P)
7. Comprehend the need for and obtain informed consent for dental treatment. (P)
8. Prescribe medications and/or other pharmacological agents in the treatment of dental patients, and comprehend their indications and contraindications. (P)

<h3><u>Endodontics</u></h3>

1. Be able to assess the pulpal and periodontal health of dental tissues using appropriate diagnostic procedures. (P)
2. Provide diagnostic and emergency endodontic services in the Emergency Care Clinic (Sick Call) and after-hours care. (P)
3. Perform routine initial non-surgical anterior endodontic therapy. (P)
4. Perform routine initial non-surgical posterior endodontic therapy, limited to teeth with roots of minimal to moderate curvature. (C)

5. To understand principles and rationale for non-surgical re-treatment of failing endodontic cases. (E)
6. To understand the biological principles, rationale, and technique associated with surgical endodontic therapy. (E)

Operative Dentistry and Preventive Dentistry

Operative Dentistry and Preventive Dentistry

2. Understand the rationale behind the uses of different restorative materials. (P)
3. Demonstrate an understanding of the etiology and progression of dental caries and preventive strategies and the management of these patients. (P)

Periodontics

1. Diagnose and treat early periodontal disease using surgical and nonsurgical procedures. (P)
2. Diagnose and treat moderate periodontal disease using surgical and nonsurgical procedures. (C)
3. Manage advanced periodontal disease. (C)
4. Perform minor pre-restorative/prosthetic surgery. (C)
5. Evaluate treatment results and establish and monitor periodontal maintenance. (P)

Prosthodontics (Fixed and Removable)

1. Perform a comprehensive examination and develop a diagnosis and treatment plan including diagnostic mounting and occlusal analysis. (C)
2. Restore single vital and non-vital teeth using all metal, metal-ceramic, and all-ceramic partial and complete veneer restorations. (C)
3. Perform treatment for missing teeth requiring uncomplicated fixed and removable restorations. (C)
4. Demonstrate an understanding of the principles, indications, and limitations of implant restorations. (E)

Orofacial Pain Disorders

1. Based on the patient's history and clinical assessment, provide the diagnosis, significant contributing factors, and treatment plan for a patient with orofacial pain. (C)

Pediatric Dentistry**Pediatric Dentistry**

other orthodontic appliances. (E)

2. Treat diseases and abnormalities of the pediatric patient. (C)
3. Perform pediatric pulpal therapy. (E)
4. Perform uncomplicated surgical procedures on pediatric patients. (C)
5. Pediatric behavior management skills to include nitrous oxide anxiolysis (@ 50% O₂). (C)

Orthodontics

1. Utilize diagnostic techniques for recognition of orthodontic cases treatable by the general dentist, including cephalometric analysis, arch length analysis, and formulation of treatment plans. (E)
2. Treat minor tooth movement cases (i.e., uprighting, extrusion, diastema closure, minor cross-bite correction, mild crowding, and space problems. (E)
3. Design and activation of removable appliances to include wire bending for removable appliances including retainers. (C)

Practice Management/Critical Analysis/Community Service**Practice Management/Critical Analysis/Community Service**

2. Understand basic practice management systems in dental practice to include scheduling, patient flow, productivity and record keeping. (C)
3. Use and implement accepted sterilization, disinfection, standard precautions and occupational hazard prevention procedures in the practice of dentistry. (P)
4. Provide patient care by working effectively with auxiliaries and other office personnel, including performing four-handed dentistry. (P)
5. Apply principles of jurisprudence and professional ethics in the practice of dentistry. (P)
6. Demonstrate the ability to critically analyze a research report in the dental literature and use a medical/dental search program to access relevant literature. (C)
7. Demonstrate administrative leadership qualities by serving as Chief Resident and develop professional communication and presentation skills. (C)
8. Participate in service projects within the Keesler AFB Community. (C)
9. Manage dental emergencies (sick call) in the dental clinic and after hours in the hospital (P)
10. Understand the Clinical Performance and Improvement (CPA&I) process of peer review. (C)

Hospital Dentistry/Oral Medicine/Special Needs Patients

1. Assess, diagnose and treat dental problems in patients who are medically compromised or have special needs. (C)
2. Recognize a variety of systemic medical conditions and the implications for dental management of these patients. (C)
4. Perform head-and-neck physical examinations. (C)
5. Access medical laboratory results or other pertinent medical information. (C)

Oral & Maxillofacial Surgery/Pain and Anxiety Control

Exodontics/Minor Oral Surgery

1. Routine extraction of all indicated erupted teeth and retained root fragments. (P)
2. Removal of uncomplicated soft tissue impactions. (C)
3. Removal of uncomplicated bony impactions. (E)
4. Perform routine intraoral/perioral biopsies. (C)
5. Perform routine oral osseous surgery. (C)
6. Manage soft tissue incisions. (P)
7. Complete an anesthesia rotation. (E)

Patient Assessment/Evaluation

1. Perform adequate patient assessment, to include chief complaint, history of present illness, past medical history, past surgical history, allergies, medications, social history and a focused physical examination. Using this information, appropriately manage a patient's dental problems. (P)
2. Order and interpret appropriate medical laboratory tests for patients as required to guide treatment decisions. (C)
3. Order and interpret appropriate radiographic exams. (P)
4. Recognize major infections of the oral and maxillofacial structure and make the appropriate specialty referral. (P)
5. Recognize major maxillofacial trauma and refer for specialty care. (P)
6. Complete the conscious sedation/physical diagnosis course. (C)

Pain/Anxiety Control

1. Obtain certification in BLS and ACLS. (P)
2. Possess a thorough working knowledge of medical emergencies in the dental clinic and their treatment. (P)

3. Possess a thorough knowledge of anatomy, physiology, pharmacology and psychology associated with various pain and anxiety control methods. (C)
4. Select the proper regimen for the control of pain and anxiety after adequate physical and psychological assessment of the patient. (C)
5. Understand the appropriate modality for the control of pain and anxiety (sedation). (C)
6. Provide Intravenous Sedation in a clinic environment. (C)

<u>Oral & Maxillofacial Pathology</u>
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1. Clinically diagnose and manage common oral pathological abnormalities. (P)
2. Perform postmortem examination/forensic identification. (C)

Residency	GPR		AEGD		AEGD		AEGD		AEGD		
	1		2		3		4		5		
	6		7		8		9		10		
6-10 AUG	Residents Arrive at Keesler										
13-17 AUG	Inprocessing/ Base/Hospital/Dental Clinic Orientation										
20-24 AUG	BLS/ACLS										
27-31 AUG	Orientation/ Introductory Clinical Courses										
3-7 SEP	Introductory Clinical Courses										
10-14 SEP	Introductory Clinical Courses										
17-21 SEP	Introductory Clinical Courses/Comp Care Presentations										
24-28 SEP	Conscious Sedation Course										
1-5 OCT	Oral Surgery										
9-12 OCT	Eglin Course										
15-19 OCT	Oral Surgery Rotation										
22-26 OCT											
29 OCT-2 NOV			Oral Surgery Rotation								
5-9 NOV											
12-16 NOV*											
19-23 NOV	RPD Course/Thanksgiving Break										
26-30 NOV					Oral Surgery Rotation						
3-7 DEC											
10-14 DEC	Implant Course										
17-21 DEC					Oral Surgery						
24-28 DEC	Holiday Break										
31 DEC-4 JAN											
7-11 JAN	IM						Oral Surgery Rotation				
14-18 JAN											
21-25 JAN		IM									
28 JAN-1 FEB									Oral Surgery Rotation		
4-8 FEB											
11-15 FEB											
18-22 FEB	Oral Surgery Rotation										
25-29 FEB											
3-7 MAR											
10-14 MAR	Thomas P Hinman Dental Meeting, Atlanta										
17-21 MAR*			Oral Surgery Rotation								
24-28 MAR											
31 MAR-4 APR											
7-11 APR					Oral Surgery Rotation						
14-18 APR											
21-25 APR											
28 APR-2 MAY	Keesler/Eglin Course										
5-9 MAY							Oral Surgery Rotation				
12-16 MAY	Anes										
19-23 MAY											
26-30 MAY		Anes							Oral Surgery Rotation		
2-6 JUN											
9-13 JUN											
16-20 JUN	Oral Surgery										
23-27 JUN			Oral Surgery								
30 JUN-4 JUL	ER				Oral Surgery						
7-11 JUL		ER					Oral Surgery				
14-18 JUL									Oral Surgery		
21-25 JUL*											
28 JUL-1 AUG											
4-8 AUG											

*Trimester Evaluations Due Blank Spaces = Resident Clinic Hospital Dentistry Rotation: Will be included with OMFS rotation

WEEKLY SCHEDULE (NOT INCLUDING SURGERY, ANESTHESIA, OR SPECIAL EVENTS)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY*	FRIDAY
AM	Endo Clinic (Dr. Mayerchak)	Pros Clinic (Drs. Henriques and Stouder)	Perio Clinic (Drs. Ellis and Dickerson)	Rotating Clinic Cycle (Dr. White Ortho) (Dr. Gasparovich Pedo) (Dr. Dunn, Marlow, Kiser S/C and Exams)	Operative Clinic (Drs. Dunn, Marlow and Kiser)
PM	Perio Clinic (Drs. Ellis and Dickerson)	Endo Clinic (Dr. Mayerchak)	Pros Clinic (Drs. Henriques and Stouder)	Lectures	Comp Care Clinic (Drs. Dunn, Marlow and Kiser)

* Thursday mornings residents will cycle through either orthodontic clinic, pediatric clinic, sick call, or exams. Ortho and Pedo clinics will only staff two residents at a time. Please see AEGD calendar to see which residents are in these clinics.

Residents will cycle through Oral surgery for three week blocks. Oral Surgery is staffed by Drs. Novak and Brown.

Oral Pathology and CPC's are taught by Dr. Zalme on selected Thursdays.

KEESLER AIR FORCE BASE is the "Electronics Training Center of Excellence" for the United States Air Force. Located on the Mississippi Gulf Coast, the 81st Training Wing is host to 2nd Air Force, the 403rd Wing (AF Reserve) and home of the second largest Air Force medical facility, Keesler Medical Center. Keesler trains 40,000 students annually in 500 courses, with an average daily student load of more than 3,500. Keesler AFB is a lead Joint Training installation, instructing not only Air Force, but Army, Navy, Marine Corps, Coast Guard and other military and civilian federal agency personnel.

KEESLER MEDICAL CENTER is the Air Force's second largest medical center. The 81st Medical Group, the largest medical group in the Air Force, provides care to more than 27,000 enrolled patients in the Keesler area and coordinates care for more than 79,000 beneficiaries along the Gulf Coast. The 81st MDG commander also oversees TRICARE's Gulf Coast Multi-Service Market, which includes five military medical facilities stretching from Mobile, Ala., to New Orleans, Louisiana.



THE MISSISSIPPI GULF COAST: Biloxi, with a population of more than 50,000, is the second largest city in Harrison county and third largest in the state of Mississippi. Keesler Air Force Base lies within the city. Biloxi's beachfront lies directly on the Mississippi Sound, with barrier islands between it and the Gulf of Mexico. Biloxi is 37 miles west of Mobile, Ala., and 80 miles east of New Orleans. Destin, Fla., with the whitest beaches in North America, is only a three-hour drive to the east.

In the center of what fisheries biologists term "The Fertile Fisheries Crescent, Biloxi offers some of the finest sports fishing along the entire northern coast of the Gulf of Mexico. Spotted sea trout, red drum, Spanish and king mackerel, flounder, snapper, grouper, sharks and more are all available to anglers during the fishing season. It is not known how Hurricane Katrina affected this biosystem.

With the introduction of gambling in Mississippi in the 1990s, Biloxi became an important center for casinos and entertainment; the hotels and complexes brought millions of dollars in tourism revenue to the city.

The city is home to the Mississippi Sea Wolves, an ECHL minor league hockey team. Biloxi was the birth place and home of the world renowned early American art potter George E. Ohr, who broke new ground in the late 1890s with his experimental modern clay forms. Mardi Gras is a highly celebrated event on the South Mississippi Gulf Coast.



AEGD RESIDENCY APPLICATION

To apply contact Maj. Karyn Young for further information or clarification at the USAF Dental Corps Utilization and Education Branch:

HQ AFPC/DPAMD
550 C St. W, Ste 27
Randolph Air Force Base, Texas 78150-4729

Toll Free 1-800-531-5811 <http://www.afpc.randolph.af.mil/medical/dental> or
afpc.dpamd@randolph.af.mil

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SUMMARY AEGD-1

Length: 12 months

Location: Keesler AFB, Miss.; Mississippi Gulf Coast in Biloxi, Miss.

Number of residents: 8 per year

Upon completion: Certificate

Contact:

Program Director: Col. William Dunn

81 DS/SGD

606 Fisher St.

Keesler AFB, MS 39534

Phone: (228) 376-5190

E-mail: William.dunn@keesler.af.mil

Website: <http://www.keesler.af.mil/units/81stmedicalgroup.asp>

Additional information regarding other Air Force dental education opportunities can be found by contacting the USAF Dental Education Officer at:

HQ AFPC/DPAMD

550 C Street west Ste 27

Randolph AFB, TX 78150-4729

COMM: 210-565-0645

DSN 665-0645

Email: afpc.dpamd@randolph.af.mil